



J. Flatt

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Jack W. Shirlin et al.

Group Art Unit: 3742

Serial No.: 10/658,657

Examiner: Leonid M. Fastovsky

Filed: September 9, 2003

For: HEATING ELEMENTS DEPOSITED ON
A SUBSTRATE AND RELATED METHOD

Attorney Docket No.: KLAI 0101 PUS

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
AND FEE UNDER 37 C.F.R. § 1.97(c) AND § 1.17(p)**

Mail Stop Amendment
Commissioner for Patents
U.S. Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and § 1.97-1.98, the references listed and identified on the attached Forms PTO/SB08A and/or PTO/SB08B are being submitted herewith for consideration by the Examiner. This Statement is being filed in accordance with 37 C.F.R. § 1.97(c), i.e., after the mailing date of a first Office Action on the merits but before the mailing of a final action or a notice of allowance, and includes the fee of \$180.00 as set forth under 37 C.F.R. § 1.17(p).

09/15/2004 BABRAHA1 00000029 10658657

01 FC:1806

180.00 0P

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this paper, including all enclosures referred to herein, is being deposited with the United States Postal Service as first-class mail, postage pre-paid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, U.S. Patent & Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 on:

9-10-04

Date of Deposit

James W. Proscia
Name of Person Signing

James W. Proscia
Signature

While this Statement is being filed in compliance with the duty of disclosure, citation of the attached references is not to be construed as an admission that any of the references are "material" as defined under 37 C.F.R. § 1.56(b).

If the filing date of this application is on or before June 30, 2003, a copy of each reference listed on the attached Forms PTO/SB08A and/or SB08B is included herewith. If this application was filed after June 30, 2003, copies of any cited U.S. patent/application references have not been included. Consideration and entry into the record of these references is respectfully requested.

Respectfully submitted,
Jack W. Shirlin et al.

By: 
James W. Proscia
Reg. No. 47,010
Attorney/Agent for Applicant

Date: 9-10-04

BROOKS KUSHMAN P.C.
1000 Town Center, 22nd Floor
Southfield, MI 48075-1238
Phone: 248-358-4400
Fax: 248-358-3351

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/658,657
(use as many sheets as necessary)				Filing Date	September 9, 2003
				First Named Inventor	Jack W. Shirlin et al.
				Group Art Unit	3742
				Examiner Name	Leonid M. Fastovsky
Sheet	1	of	6	Attorney Docket Number	KLAI 0101 PUS

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		3,700,754		Schmitt et al.	10/24/1972	
		3,953,643		Cheung et al.	04/27/1976	
		3,968,056		Bolon et al.	07/06/1976	
		3,988,647		Bolon et al.	10/26/1976	
		4,049,844		Bolon et al.	09/20/1977	
		4,088,801		Bolon et al.	05/09/1978	
		4,113,894		Koch, II	09/12/1978	
		4,187,340		Oishi et al.	02/05/1980	
		4,188,449		Lu et al.	02/12/1980	
		RE30,274		Bolon et al.	05/13/1980	
		4,256,591		Yamamoto et al.	03/17/1981	
		4,271,212		Stengle	06/02/1981	
		4,338,376		Kritzler	07/06/1982	
		4,391,858		Batzill	07/05/1983	
		RE31,411		Bolon et al.	10/11/1983	
		4,420,500		Nakatani et al.	12/13/1983	
		4,439,494		Olson	03/27/1984	
		4,455,205		Olson et al.	06/19/1984	
		4,478,876		Chung	10/23/1984	
		4,479,860		Hayase et al.	10/30/1984	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		GB	1 550 382		Rohm & Haas Co.	08/15/1979		
		EP	0 081 323 A1		Johnson Matthey PLC	06/15/1983		
		EP	0 530 141 A1		Ciba-Geigy AG	03/03/1993		
		EP	0 567 940 A1		Glunz AG	11/03/1993		
		EP	0 711 801 A2		Dow Corning Corp.	05/15/1996		
		WO	97/31051		Dymax Corporation	08/28/1997		
		WO	97/45458		UV Coatings Limited	12/04/1997		
		EP	0 820 217 A1		EI Du Pont De Nemours	01/21/1998		
		WO	98/47954		DSM N.V.	10/29/1998		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application Number	10/658,657
				Filing Date	September 9, 2003
				First Named Inventor	Jack W. Shirlin et al.
				Group Art Unit	3742
				Examiner Name	Leonid M. Fastovsky
Sheet	2	of	6	Attorney Docket Number	KLAI 0101 PUS

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		4,495,042		Hayase et al.	01/22/1985	
		4,496,475		Abrams	01/29/1985	
		4,513,023		Wary	04/23/1985	
		4,533,445		Orio	08/16/1985	
		4,539,258		Panush	09/03/1985	
		4,547,410		Panush et al.	10/15/1985	
		4,551,361		Burzynski et al.	11/05/1985	
		4,557,975		Moore	12/10/1985	
		4,594,315		Shibue et al.	06/10/1986	
		4,609,612		Berner et al.	09/02/1986	
		4,640,981		Dery et al.	02/03/1987	
		4,665,342		Topp et al.	05/12/1987	
		4,666,821		Hein et al.	05/19/1987	
		4,684,353		deSouza	08/04/1987	
		4,738,899		Bluestein et al.	04/19/1988	
		4,788,108		Saunders, Jr et al.	11/29/1988	
		4,806,257		Clark et al.	02/21/1989	
		4,814,208		Miyazaki et al.	03/21/1989	
		4,816,717		Harper et al.	03/28/1989	
		4,822,646		Clark et al.	04/18/1989	
		4,828,758		Gillberg-Laforce et al	05/09/1989	
		4,877,512		Bowns et al.	10/31/1989	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		WO	98/50317		DSM N.V.	11/12/1998		
		DE	198 35 917 A1		BASF AG	02/10/2000		
		WO	00/62586		Allied Photochemical	10/19/2000		
		JP	61203108A (Abstract)		Toyobo KK	09/09/1986	Y	
		JP	6016721A (Abstract)		Nippon Kayaku KK	01/25/1994	Y	
		JP	5311103A (Abstract)		Tanaka Kikinzoku	11/22/1993	Y	
		JP	4267097A (Abstract)		Mitsui Toatsu Chem	09/22/1992	Y	
		JP	5279436A (Abstract)		Japan Synthetic Rubber Co.	10/26/1993	Y	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				Complete if Known	
				Application Number	10/658,657
				Filing Date	September 9, 2003
				First Named Inventor	Jack W. Shirlin et al.
				Group Art Unit	3742
				Examiner Name	Leonid M. Fastovsky
Sheet	3	of	6	Attorney Docket Number	KLAI 0101 PUS

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		4,900,763		Kraushaar	02/13/1990	
		4,911,796		Reed	03/27/1990	
		4,959,178		Frentzel et al.	09/25/1990	
		4,960,614		Durand	10/02/1990	
		4,964,948		Reed	10/23/1990	
		4,975,471		Hayase et al.	12/04/1990	
		5,006,397		Durand	04/09/1991	
		5,049,480		Nebe et al.	09/17/1991	
		5,068,714		Seipler	11/26/1991	
		5,076,963		Kameyama et al.	12/31/1991	
		5,100,848		Enomoto et al.	03/31/1992	
		5,104,929		Bilkadi	04/14/1992	
		5,116,639		Kolk et al.	05/26/1992	
		5,128,387		Shustack	07/07/1992	
		5,128,391		Shustack	07/07/1992	
		5,149,971		McElhaney et al.	09/22/1992	
		5,180,523		Durand et al.	01/19/1993	
		5,180,757		Lucey	01/19/1993	
		5,183,831		Bielat et al.	02/02/1993	
		5,221,560		Perkins et al.	06/22/1993	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				Complete if Known	
				Application Number	10/658,657
				Filing Date	September 9, 2003
				First Named Inventor	Jack W. Shirlin et al.
				Group Art Unit	3742
Examiner Name	Leonid M. Fastovsky				
Sheet	4	of	6	Attorney Docket Number	KLA1 0101 PUS

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	5,225,170			Kolk et al.	07/06/1993	
	5,282,985			Zabinski et al.	02/01/1994	
	5,296,295			Perkins et al.	03/22/1994	
	5,326,636			Durand et al.	07/05/1994	
	5,356,545			Wayte	10/18/1994	
	5,384,160			Frazzitta	01/24/1995	
	5,395,876			Frentzel et al.	03/07/1995	
	5,424,182			Marginean, Sr. et al	06/13/1995	
	5,453,451			Sokol	09/26/1995	
	5,454,892			Kardon et al.	10/03/1995	
	5,462,701			Hagemeyer et al.	10/31/1995	
	5,470,643			Dorfman	11/28/1995	
	5,470,897			Meixner et al.	11/28/1995	
	5,514,214			Joel et al.	05/07/1996	
	5,523,143			Hagemeyer et al.	06/04/1996	
	5,556,527			Igarashi et al.	09/17/1996	
	5,561,730			Lochkovic et al.	10/01/1996	
	5,565,126			Kimura et al.	10/15/1996	
	5,587,433			Boeckeler	12/24/1996	
	5,596,024			Horie et al.	01/21/1997	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				Complete if Known	
				Application Number	10/658,657
				Filing Date	September 9, 2003
				First Named Inventor	Jack W. Shirlin et al.
				Group Art Unit	3742
				Examiner Name	Leonid M. Fastovsky
Sheet	5	of	6	Attorney Docket Number	KLAI 0101 PUS

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,609,918		Yamaguchi et al.	03/11/1997	
		5,624,486		Schmid et al.	04/29/1997	
		5,633,037		Mayer	05/27/1997	
		5,686,792		Ensign, Jr.	11/11/1997	
		5,698,310		Nakamura et al.	12/16/1997	
		5,716,551		Unruh et al.	02/10/1998	
		5,718,950		Komatsu et al.	02/17/1998	
		5,747,115		Howell et al.	05/05/1998	
		5,750,186		Frazitta	05/12/1998	
		5,773,487		Sokol	06/30/1998	
		5,784,197		Frey et al.	07/21/1998	
		5,787,218		Ohtaka et al.	07/28/1998	
		5,837,745		Safta et al.	11/17/1998	
		5,866,628		Likavec et al.	02/02/1999	
		5,871,827		Jaffe et al.	02/16/1999	
		5,883,148		Lewandowski et al	03/16/1999	
		5,888,119		Christianson et al	03/30/1999	
		5,914,162		Bilkadi	06/22/1999	
		5,942,284		Hiskes et al.	08/24/1999	
		5,945,502		Hsieh et al.	08/31/1999	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				Complete if Known	
				Application Number	10/658,657
				Filing Date	September 9, 2003
				First Named Inventor	Jack W. Shirlin et al.
				Group Art Unit	3742
				Examiner Name	Leonid M. Fastovsky
Sheet	6	of	6	Attorney Docket Number	KLAI 0101 PUS

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.